



<b>F rm PTO-1449</b>  <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE STATEMENT</b> <b>BY APPLICANT</b>  (Use several sheets if necessary)	<b>ATTY. DKT. NO.</b> (3022-0019) 1227.43062X00	<b>SERIAL NO.</b> 10/644,094
	<b>APPLICANT</b> T. SHINODA	
	<b>FILING DATE</b> August 20, 2003	<b>EXPECTED GROUP</b>

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
TH	AA 4,890,842	01/02/90	Plange			
	AB					
	AC					
	AD					

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation/ Abstracts	
						Yes	No
TH	AE 8-71205	03/19/96	Japan			X	
	AF 7-204314	08/08/95	Japan			X	
	AG 7-68051	03/14/95	Japan			X	
	AH 6-110853	04/22/94	Japan			X	
	AI 2003-175154	06/24/03	Japan			X	
	AJ 2003-38858	02/12/03	Japan			X	
	AK 2002-18378	01/22/02	Japan			X	
TH	AL 2001-331269	11/30/01	Japan			X	

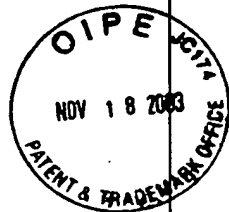
**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation/Abstracts	
						Yes	No
TH	AE	2001-293133	10/23/01	Japan		X	
	AF	2001-187273	07/10/01	Japan		X	
	AG	2001-113043	04/24/01	Japan		X	
	AH	2000-224664	08/11/00	Japan		X	
	AI	2000-48182	02/18/00	Japan		X	
	AJ	11-473	01/06/99	Japan		X	
	AK	10-108959	04/28/98	Japan		X	
TH	AL	9-325759	12/16/97	Japan		X	

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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation/Abstracts	
						Yes	No
TH	AE WO 02/22222 A1	03/21/02	PCT				
↓	AF DE 197 53 285 A1	01/07/00	Germany				X
↓	AG WO 99/41719	08/19/99	PCT			X	
TH	AH WO 95/51384	11/19/98	PCT				
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